

L Number	Hits	Search Text	DB	Time stamp
1	0	709/201,247,310,311,313,320.ccls. and (Mask\$4 adj attribute\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 08:42
14	4124	707/10.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 08:50
15	24	707/10.ccls. and ((manag\$4 near10 transact\$4) near3 (message\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:20
16	4	((creat\$5 populat\$5 implement\$5) near10 (transact\$5) near10 (code)) same (mask\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:23
17	528	((creat\$5 populat\$5 implement\$5) near10 (transact\$5) near10 (code))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:39
18	286	((creat\$5 populat\$5 implement\$5) near5(transact\$5) near5 (code))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:24
19	50	((creat\$5 populat\$5 implement\$5) near10 (transact\$5) near10 (code))) and (attribut\$5) and Mask\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:25
20	0	((creat\$5 populat\$5 implement\$5) near10 (mask\$5) near10 (transact\$5) near10 (code))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:37
21	1	709/201,247,310,311,313,320.ccls. and (Mask\$4 near3 attribute\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:39
22	3	(creat\$5 populat\$5 implement\$5) near10 (database list file storage table) near10 (transact\$5) near10 (type) near10 (attribut\$5 propert\$5 value)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:42
23	2	(creat\$5 populat\$5 implement\$5) near10 (database list file storage table) near10 (transact\$5) near10 (code) near10 (attribut\$5 propert\$5 value)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:45
24	5	(creat\$5 populat\$5 implement\$5) near10 (database list file storage table) near10 (transact\$5) near10 (type) near10 (attribut\$5 propert\$5 value)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 12:55
25	2	(creat\$5 populat\$5 implement\$5) near10 (database list file storage table) near10 (transact\$5) near10 (code) near10 (attribut\$5 propert\$5 value)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:46
26	273	(masked) near10 (data variable code) near10 (database list file storage table)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 12:53

27	0	(T1.246) and (mask\$5) near10 (code)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 12:54
28	0	(T1.246) near10 (code)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 12:54
29	6247	(mask\$5) near10 (code)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 12:54
30	0	(mask\$5) Adj (TCSI) near10 (code)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 12:55
31	0	(mask\$5) near5 (TCSI) near10 (code)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 12:55
32	0	((mask\$5) near10 (code)) and (creat\$5 populat\$5 implement\$5) near10 (database list file storage table) near10 (transact\$5) near10 (type) near10 (attribut\$5 propert\$5 value)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 12:56
33	11	((mask\$5) near10 (code)) and (transact\$5) near10 (type) near10 (attribut\$5 propert\$5 value)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 12:56
-	607	709/208,209,210,211.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 08:50
-	6850	manag\$4 near10 transact\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 10:16
-	4492	(manag\$4 near10 transact\$4) and (transact\$4 and type)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 12:41
-	3778	((manag\$4 near10 transact\$4) and (transact\$4 and type)) and (gateway stub interface API)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 10:17
-	0	((((manag\$4 near10 transact\$4) and (transact\$4 and type)) and (gateway stub interface API)) and (transact\$4 near3 attribut\$2)) and (mask\$2 near3 match\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 10:15
-	197	((manag\$4 near10 transact\$4) and (transact\$4 and type)) and (gateway stub interface API)) and (transact\$4 near3 attribut\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 10:17
-	372	(manag\$4 near10 transact\$4) near3 (message\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 14:00

-	301	((manag\$4 near10 transact\$4) near3 (message\$2)) and (gateway stub interface API)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 08:50
-	36	((((manag\$4 near10 transact\$4) near3 (message\$2)) and (gateway stub interface API)) and (transact\$4 near3 attribut\$2).	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 10:56
-	25	(((((manag\$4 near10 transact\$4) near3 (message\$2)) and (gateway stub interface API)) and (transact\$4 near3 attribut\$2)) and Mask\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 10:19
-	264	((manag\$4 near10 transact\$4) near3 (message\$2)) and @ad<20001116	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 10:26
-	120	((((manag\$4 near10 transact\$4) near3 (message\$2)) and @ad<20001116) and (gateway stub)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 10:27
-	30	(((((manag\$4 near10 transact\$4) near3 (message\$2)) and @ad<20001116) and (gateway stub)) and (transact\$4 near3 attribut\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 11:10
-	46	(((((manag\$4 near10 transact\$4) near3 (message\$2)) and @ad<20001116) and (gateway stub)) and (Mask\$3 and attribut\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 15:09
-	5978	709/328,206,204,237,227,230.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 13:27
-	3298	709/328,206,204,237,227,230.ccls. and @ad<20001116	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 13:57
-	103	(709/328,206,204,237,227,230.ccls. and @ad<20001116) and (manag\$4 near10 transact\$4) and (transact\$4 and type)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 14:07
-	0	Transaction adj type-Attribute adj string	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 13:27
-	0	Transaction adj Attribute adj string	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 13:28
-	79	Transaction adj Attribute	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 13:28
-	194	Transaction\$3 adj Attribute\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 14:12

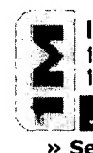
-	112	(Transaction\$3 adj Attribute\$3) and @ad<20001116	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 09:26
-	2621	709/201,247,310,311,313,320.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 13:57
-	1806	709/201,247,310,311,313,320.ccls. and @ad<20001116	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:17
-	201	(709/201,247,310,311,313,320.ccls. and @ad<20001116) and (manag\$4 near3 messag\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 13:59
-	13	(709/201,247,310,311,313,320.ccls. and @ad<20001116) and ((manag\$4 near10 transact\$4) near3 (message\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 14:01
-	12	(manag\$4) adj (transact\$4 near2 messag\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:19
-	1298	(manag\$4) adj (messag\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 14:13
-	2	((manag\$4) adj (messag\$3)) and(Transaction\$3 adj Attribute\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 14:12
-	808	((manag\$4) adj (messag\$3)) and @ad<20001116	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 14:14
-	219	((manag\$4) adj (messag\$3)) and @ad<20001116) and attribut\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 14:14
-	52	((((manag\$4) adj (messag\$3)) and @ad<20001116) and attribut\$4) and mask\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 15:02
-	2	6427140.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 14:25
-	42	(Transaction adj Attribute) and @ad<20001116	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 15:09
-	8	((Transaction adj Attribute) and @ad<20001116) and mask\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 15:05

-	49	(Mask\$4 adj attribute\$3) and @ad<20001116	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:02
-	2	6065037.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:02
-	63	Mask\$4 adj attribute\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:12
-	2	(709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Mask\$4 adj attribute\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 08:42
-	3	(709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Mask\$4 near3 attribute\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/28 09:38
-	0	(709/201,247,310,311,313,320.ccls. and @ad<20001116) and (mask adj format)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:18
-	644	(709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Attribute\$1 Mask\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:21
-	0	((709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Attribute\$1 Mask\$3)) and ((manag\$4) adj (transact\$4 near2 messag\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:19
-	490	((709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Attribute\$1 Mask\$3)) and ((manag\$4) nreal0 (transact\$4 near2 messag\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:20
-	2	((709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Attribute\$1 Mask\$3)) and ((manag\$4) near10 (transact\$4 near2 messag\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:20
-	644	(709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Attribute\$1 nra10 Mask\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:21
-	6	(709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Attribute\$1 near10 Mask\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:29
-	75	(709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Message\$3 near10 attribute\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 16:30
-	17	((709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Message\$3 near10 attribute\$3)) and Mask\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 07:45

-	17	((709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Message\$3 near10 attribute\$3)) and Mask\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 07:46
-	75	(709/201,247,310,311,313,320.ccls. and @ad<20001116) and (Message\$3 near10 attribute\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 08:02
-	0	(manag\$4 near10 transact\$4)and (gateway)and ((messag\$3 near3 generat\$4)and (attrribut\$2) and (mask))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 08:35
-	66	(manag\$4 near10 transact\$4)and (gateway)and (messag\$3 near3 generat\$4)and (attribut\$2) and (mask)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 08:36
-	66	(manag\$4 near10 transact\$4)and (gateway)and ((messag\$3 near3 generat\$4)and (attribut\$2) and (mask))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 08:36
-	48	(manag\$4 near10 transact\$4)and (gateway)and (messag\$3 near3 generat\$4)and (attribut\$2) and (mask)and @ad<20001116	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 09:15
-	2	6560655.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 09:19
-	2	5706429.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 09:23
-	2	6065037.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 09:24
-	51	((attribut\$3) adj (mask\$4)) and @ad<20001116	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 10:50
-	2	((mask\$4)adj(attribute\$4)) near10(match compare\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 10:08
-	8	((mask\$4)adj(attribute\$4)) same(match compare\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 10:51
-	4	((mask\$4)adj(match compare\$4))same attribute\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 10:38
-	8	((mask\$4)adj(attribute\$4)) same(match compare\$4 retriiv\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 10:49

-	85	(attribut\$3) adj (mask\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 10:50
-	1	((attribut\$3) adj (mask\$4)) and @ad<20001116) and(((mask\$4)adj(attribute\$4))same(match compare\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 13:21
-	2	6223172.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 13:37
-	2	6446117.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/11 13:37
-	2	6446117.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 14:38
-	0	(manag\$5 control\$5) near5 (transaction) near10 (messag\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 15:49
-	1391	(manag\$5 control\$5) near5 (transaction) near10 (messag\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 15:02
-	150	(manag\$5 control\$5) near5 (transaction) adj(messag\$5).	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 14:39
-	94	(manag\$5 control\$5) near3 (transaction) adj(messag\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 14:40
-	0	(T1.246) and ((manag\$5 control\$5) near5 (transaction) near10 (messag\$5)) and (TCSI (transaction adj code adj status adj indicator))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 14:59
-	0	((manag\$5 control\$5) near5 (transaction) near10 (messag\$5)) and (TCSI (transaction adj code adj status adj indicator))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 14:57
-	0	(T1.246) and ((manag\$5 control\$5) near5 (transaction) near10 (messag\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 14:57
-	1	T1.246	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 14:58
-	0	((manag\$5 control\$5) near5 (transaction) near10 (messag\$5)) and (TCSI (transaction adj code adj status adj indicator))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 14:59

-	0	((manag\$5 control\$5) near5 (transaction) near10 (messag\$5)) and((attribut\$3) adj (mask\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 15:03
-	93	(manag\$4 near10 transact\$4)and (gateway)and (messag\$3 near3 generat\$4)and (attribut\$2) and (mask)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 15:34
-	121	(manag\$5 control\$5) near5 (database file repository store) near5 (transaction) near10 (messag\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/26 15:50

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Yao, X.S.; Feinberg, J.; Logan, R.; Maleki, L.;

Lightwave Technology, Journal of , Volume: 11 , Issue: 5 , May-June 1993

Pages:836 - 846

[\[Abstract\]](#) [\[PDF Full-Text \(1036 KB\)\]](#) **IEEE JNL**
2 Error masking in compact testing based on the Hamming code and its modifications

Demidenko, S.; Ivanyukovich, A.; Makhist, L.; Piuri, V.;

Test Symposium, 1995., Proceedings of the Fourth Asian , 23-24 Nov. 1995

Pages:303 - 307

[\[Abstract\]](#) [\[PDF Full-Text \(356 KB\)\]](#) **IEEE CNF**
3 Single fault masking logic designs with error correcting codes

Jien-Chung Lo;

Defect and Fault Tolerance in VLSI Systems, 1995. Proceedings., 1995 IEEE International Workshop on , 13-15 Nov. 1995

Pages:296 - 304

[\[Abstract\]](#) [\[PDF Full-Text \(412 KB\)\]](#) **IEEE CNF**
4 Linear codes for masking memory defects (Corresp.)

Chin-Long Chen;

Information Theory, IEEE Transactions on , Volume: 31 , Issue: 1 , Jan 1985

Pages:105 - 106

[\[Abstract\]](#) [\[PDF Full-Text \(376 KB\)\]](#) **IEEE JNL**

5 Masking asymmetric line faults using semi-distance codes*Matsuzawa, K.; Fujiwara, E.;*

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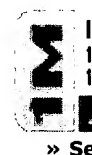
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1 [Security Mechanisms in High-Level Network Protocols](#)

Victor L. Voydock, Stephen T. Kent

June 1983 **ACM Computing Surveys (CSUR)**, Volume 15 Issue 2

Full text available: pdf(3.23 MB)

Additional Information: [full citation](#), [references](#), [citations](#)

2 [Fundamentals of fault-tolerant distributed computing in asynchronous environments](#)

Felix C. Gärtner

March 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 1

Full text available: pdf(203.96 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Fault tolerance in distributed computing is a wide area with a significant body of literature that is vastly diverse in methodology and terminology. This paper aims at structuring the area and thus guiding readers into this interesting field. We use a formal approach to define important terms like fault, fault tolerance, and redundancy. This leads to four distinct forms of fault tolerance and to two main phases in achieving them: detection ...

Keywords: agreement problem, asynchronous system, consensus problem, failure correction, failure detection, fault models, fault tolerance, liveness, message passing, possibility detection, predicate detection, redundancy, safety

3 [MAP application layer interface and application layer management structure part II: application program view](#)

Kester L Fong, Patricia A Amaranth

July 1985 **ACM SIGCOMM Computer Communication Review**, Volume 15 Issue 3

Full text available: pdf(820.16 KB)

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4 [Pen computing: a technology overview and a vision](#)

André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Full text available: pdf(5.14 MB)

Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

5 Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann

January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1

Full text available:  [pdf\(2.54 MB\)](#) Additional Information: [full citation](#)

6 An annotated bibliography of dependable distributed computing

Rex E. Gantenbein

April 1992 **ACM SIGOPS Operating Systems Review**, Volume 26 Issue 2

Full text available:  [pdf\(1.71 MB\)](#) Additional Information: [full citation](#), [index terms](#)

7 Building an APL2 X-Windows interface for VM and AIX with a general APL2-to-C interface

John R. Jensen, Kirk A. Beaty

July 1991 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL '91**, Volume 21 Issue 4

Full text available:  [pdf\(1.00 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes APL2/X, an interface between X-Windows and APL2, designed and built at the IBM Cambridge Scientific Center. It currently runs under VM/CMS and AIX. The APL2/X VM version of the interface uses the APL2 associated processor 11 to communicate with X. The APL2/X AIX version uses a new auxiliary processor, AP144, to achieve the same functionality. APL2/X enables all of the X-Windows Xlib calls and data-structures for use from the APL2 environment. In so doing, it enables APL2 to m ...

8 Papers: Program insertion in real-time IP multicasts

Jack Brassil, Sukesh Garg, Henning Schulzrinne

April 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 2

Full text available:  [pdf\(1.55 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We describe the design, implementation and operation of a prototype system which seamlessly mixes real-time audio and video streams originating from multiple, physically separated sources. Mixing is entirely decentralized, relying on new protocols to coordinate transfer of session control between IP multicast sources. The system is motivated by the desire to perform dynamic insertion of advertisements in active, real-time multimedia sessions. It permits content providers and viewers a far richer ...

9 The incorporation of functional level element routines into an existing digital simulation system

E. W. Thompson, Patrick Karger, W. R. Read, Don Ross, John Smith, Richard Von Blucher

June 1980 **Proceedings of the 17th conference on Design automation**

Full text available:  [pdf\(852.23 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

CC-TEGAS3 is a digital logic simulation system containing subsystems which can perform three different modes of simulation. These modes are used for logic or design verification,

worst case timing analysis, and fault simulation. The basic device models are for Boolean gates, a wide range of flip-flops and latches, and a number of MOS elements such as transfer gates. A comprehensive list of functional level device models were incorporated into the system and the resulting system is called CC ...

10 Web browsing in a wireless environment: disconnected and asynchronous operation in

ARTour Web Express

Henry Chang, Carl Tait, Norman Cohen, Moshe Shapiro, Steve Mastrianni, Rick Floyd, Barron Housel, David Lindquist

September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**


Full text available:  pdf(1.50 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 A personal view of the personal work station: some firsts in the Fifties

Douglas Ross

January 1986 **Proceedings of the ACM Conference on The history of personal workstations**


Full text available:  pdf(4.26 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)

12 A Survey of Data Structures for Computer Graphics Systems

Robin Williams

January 1971 **ACM Computing Surveys (CSUR)**, Volume 3 Issue 1

Full text available:  pdf(1.67 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This is a survey of a data structures and their use in computer graphics systems. First, the reasons for using data structures are given. Then the sequential, random, and list organizations are discussed, and it is shown how they may be used to build complex data structures. Representative samples of languages specifically designed for creating and manipulating data structures are described next. Finally some typical computer graphics systems and their data structures are described. It is a ...

13 The development of the General Purpose Simulation System (GPSS)

Geoffrey Gordon

January 1978 **ACM SIGPLAN Notices , The first ACM SIGPLAN conference on History of programming languages**, Volume 13 Issue 8

Full text available:  pdf(1.75 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The General Purpose Simulation System (GPSS) is a programming system designed for the simulation of discrete systems. These are systems that can be modeled as a series of state changes that occur instantaneously, usually over a period of time. Complexities in their analysis arise because there are many elements in the system, and there is competition for limited system resources. The simulation technique uses numerical computation methods to follow the system elements through their changes ...

14 A modern APL windows user interface with DOS downwards compatibility: the solution for two years onwards

Richard R. N. Eller

September 1993 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL**, Volume 24 Issue 1

Full text available:  pdf(817.44 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Windows 3.1 represents the biggest revolution to APL technology since the advent of full screen techniques. This creates a new challenge to APLers migrating their applications from mainframe or PC DOS environments into Windows 3.1. This paper describes an ease means to adapt existing and new applications to exploit Windows Graphical User Interfaces (GUI). By using the techniques described below one can utilize most GUI features without needing to comprehend the massive amount of detail typical t ...

15 A Partitioned Ring Structure Processor

L. J. French

June 1973 **Proceedings of the 10th workshop on Design automation**

Full text available:  pdf(647.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The topic of this paper is a Partitioned Ring Structure Processor (PRSP) which is a data structure system that has been designed for small computers. PRSP provides techniques of creating and traversing very complex network type structures as necessitated by an application. The created structures are highly efficient in storage space and can be efficiently partitioned into secondary storage such that very large data structures (106 bytes) can be handled in a small stand ...

16 Disconnected operation in the Coda File System

James J. Kistler, M. Satyanarayanan

February 1992 **ACM Transactions on Computer Systems (TOCS)**, Volume 10 Issue 1

Full text available:  pdf(1.59 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Disconnected operation is a mode of operation that enables a client to continue accessing critical data during temporary failures of a shared data repository. An important, though not exclusive, application of disconnected operation is in supporting portable computers. In this paper, we show that disconnected operation is feasible, efficient and usable by describing its design and implementation in the Coda File System. The central idea behind our work is that cachi ...

Keywords: disconnected operation, hoarding, optimistic replication, reintegration, second-class replication, server emulation

17 General principles of operating systems design: The role of motherhood in the pop art of system programming

Peter G. Neumann

October 1969 **Proceedings of the second symposium on Operating systems principles**


Full text available:  pdf(553.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Numerous papers and conference talks have recently been devoted to the affirmation or reaffirmation of various common-sense principles of computer program design and implementation, particularly with respect to operating systems and to large subsystems such as language translators. These principles are nevertheless little observed in practice, often to the detriment of the resulting systems. This paper attempts to summarize the most significant principles, to evaluate their applicability in the ...

18 Session: Contrasting fragmented objects with uniform transparent object references for distributed programming

Peter Dickman, Mesaac Makpangou, Marc Shapiro

September 1992 **Proceedings of the 5th workshop on ACM SIGOPS European workshop: Models and paradigms for distributed systems structuring**

Full text available:  pdf(626.17 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

The fragmented object model is compared with the more usual paradigm of uniform transparent references to objects in a distributed system. Having considered both models in terms of a variety of issues, the impact on system builders and application programmers is briefly noted. Although the fragmented object model is somewhat more powerful, in particular in its support for replicated objects, it is also more costly. The possibility of combining the two models to form a new hybrid is considered.

19 Abstracts from the conference on computer graphics and interactive techniques

September 1974 **ACM SIGGRAPH Computer Graphics**, Volume 8 Issue 3

Full text available:  [pdf\(1.10 MB\)](#) Additional Information: [full citation](#)



20 Concurrency control in collaborative hypertext systems

Uffe Kock Wil, John J. Leggett

December 1993 **Proceedings of the fifth ACM conference on Hypertext**

Full text available:  [pdf\(1.05 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: collaborative work, concurrency control, distributed hypertext systems, events, extensibility, hyperbases, open architectures, supporting technologies, transaction management, user-controlled locking, version control

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